Application No. Application No. Application No. 107769.952 MilyAKE ET Al.				
Reaminer Geoffrey S Evans 1725		Application No.	Applicant(s)). \
Examiner Geoffrey S Evans T256	Maties of Allerest 114	10/706,962	MIYAKE ET AL.	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address-All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application in froi Include herewith (or previously mailed), a Notice of Allowane (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. Sea 7 CFR 1.313 and MPEP 1308. 1. ☑ This communication is responsive to the filling of the application. 2. ☑ The allowed claim(s) is/are 1.9 3. ☑ The drawings filed on 14 November 2003 are accepted by the Examiner. 4. ☑ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☑ All b) ☐ Some* c) ☐ None of the: 1. ☑ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). **Certified copies not received:	Notice of Allowability	Examiner		
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REASON'S FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: Warwick in U.S. Patent No. 2,385,665 uses air flow to rotate a fan connected to a spindle (see column 2, lines 40-48). Shih in U.S. Patent Application Publication No. 2003/0019844 discloses a motor attached to a spindle. Hara et al. in Japan Patent document No. 2000-218,442 discloses an electric discharge machine with a spindle and magnetic actuators for moving the spindle and hence the electrode. Imai et al. in WO 02/024389 (the same patent family as U.S. Patent No. 6,788,019) discloses an electric discharge machining device with a tool electrode, a drive shaft connected with the electrode, and an electrode driving device having magnetic bearings for moving. Regarding claims 1-4 and 6, none of the references of record discloses or suggests, alone or in combination, an electric discharge machining apparatus comprising: a tool electrode; a drive shaft connected with said tool electrode; an electrode driving device having magnetic bearings for moving said drive shaft in three directions; a movable coupling connected with an end of said drive shaft and movable in said three directions; and an electric motor connected with an end of said coupling for driving said drive shaft to rotate through said coupling. Regarding claim 5, none of the references of record discloses or suggests, alone or in combination, an electric discharge machining apparatus comprising: a tool electrode; a drive shaft connected with said tool electrode; an electrode driving device having magnetic bearings for moving said drive shaft in at least

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a Z-axis direction, among three directions, including the Z-axis direction, a Y-axis direction that perpendicularly crosses the Z-axis direction, and an X-axis direction that perpendicularly crosses the Y-axis direction and the Z-axis direction; and an electric motor for driving said drive shaft to rotate through a rotation transmission mechanism connected with said drive shaft. Regarding claims 7-9, none of the references of record discloses or suggests, alone or in combination, an electric discharge machining apparatus comprising: a tool electrode; a drive shaft connected with said tool electrode; an electrode driving device having magnetic bearings for moving said drive shaft in at least a Z-axis direction, among three directions, including the Z-axis direction, a Y-axis direction that perpendicularly crosses the Z-axis direction, and an X-axis direction that perpendicularly crosses the Y-axis direction and the Z-axis direction; a plurality of blades fixedly secured to said drive shaft; and a rotation driving conduit having a tip end directed to said blades for guiding fluid toward and proximate said blades to spray fluid on said blades and rotate said drive shaft. In particular, there is no motivation to combine Imai et al. in WO 02/024389 in view of Warwick in U.S. Patent No. 2,385,665 to meet the limitations of claim 7.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Geoffrey S Evans whose telephone number is (571)-

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272-1174. The examiner can normally be reached on Mon-Fri 6:30AM to 4:00 PM, alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Dunn can be reached on (571)-272-1171. The fax phone number for the organization where this application or proceeding is assigned is (703)-872-9306.

GSE

Geoffrey S. Evans Primary Examiner Group 1700